

From owner-qrp-1@Lehigh.EDU Tue Sep 3 23:12:46 1996
From: "Gary R. Hanson" <ghanson@uts.cc.utexas.edu>
Subject: [3525] 40 Meter Propagation
Message-ID: <322C6900.7F31@uts.cc.utexas.edu>

Hey gang,

This note is primarily aimed at the newcomers to QRP who may get discouraged with not "getting out." For the old-timers, well... you've been there and done that but may smile at having had similar experiences.

Last week's 40 meter propagation went from the ridiculous to the sublime. Late one evening, I heard a short CQ, not particularly strong but definitely readable. It was from another ham just across town. He came back to me, but gave me a RST of 339. I couldn't help but think "how bad can it get when I couldn't even get my 2 watt signal across town?" I gave him a "huge" 559 signal and later learned he was running about 100 watts. Ground wave propagation over the hills of Austin just isn't that great I guess. Hills probably have nothing to do with it actually.

Then, the next night I heard XE1GTL calling CQ so I gave him a call. He came right back and gave me a 599, my first ever 599 on 40 meters with 2 watts. Austin to Mexico City is probably closer than Austin to Chicago, but it was definitely a thriller nevertheless. Then, the next night I heard Ernie, W8MVN from Franklin, Ohio calling CQ. Ernie always gets through with his 4 watts and some times he hears me back and sometimes he doesn't. Well, I got another 599 report. Austin to Franklin is 994 miles, just 6 miles short of the 1,000 mile range so once again I was estatic.

The whole point of this tale is that some days the propagation gods smile on you and you can get out like gangbusters and some days you just can't get across town.

Last night I returned calls to several CQ's and NO ONE heard me. That's just how he goes and the very thing that keeps me hooked on QRP. If I got 599 reports all the time, where would the fun be?

Of course, I might have more hair on my head than non-hams my age!!!

Cheers and may the propagation gods smile on you at least occassionally.

72,73,

Gary, KJ5VW

From owner-qrp-1@Lehigh.EDU Tue Sep 3 23:12:46 1996
From: dgf@netcom.com (David Feldman)
Subject: [3535] 40-9er on higher bands?
Message-ID: <199609031909.MAA02705@netcom23.netcom.com>

A couple of weeks ago I saw a posting inquiring about putting a 40-9er on 10. I pawed around at home and found pairs of crystals (from long ago) for 14.035, 21.035, and 28.035. I wondered if anyone has actually put a 40-9er on a higher band, and if so, what were the component adjustments?

73 Dave WB0GAZ dgf@netcom.com

From owner-qrp-1@Lehigh.EDU Tue Sep 3 23:12:46 1996
From: svecbrdk@well.com (L.Svec,W.Burdick)
Subject: [3516] back from vacation -- just after NorCal meeting -- anyone doing a report?
Message-ID: <199609031507.IAA03391@mh1.well.com>

Anyone on the net attend the NorCal meeting on Sunday? I'm sure we regulars who missed the meeting would appreciate a Doug-Hendricks-style meeting summary. I just got back yesterday so I missed it.

Thanks!

Wayne
N6KR

From owner-qrp-1@Lehigh.EDU Tue Sep 3 23:12:46 1996
From: QLF%mini@magic.itg.ti.com
Subject: [3513] BOW AND ARROW ANTENNA LAUNCHING
Message-ID: <9609031350.AA11129@itg.ti.com>

From: Brad Bradfield QLF

Subj: BOW AND ARROW ANTENNA LAUNCHING

Good morning QRP'ers,

Got to thinking about antenna launching over the weekend and something popped into my head that I hadn't thought of in MANY years. Actually I had long thought that this was part of the brain cells that I had burned a long time ago, but then that's another story.

Others have mentioned launching antennas with a bow and arrow. Most have also mentioned the need for caution in the down-range flight path to keep from hitting somebody or something.

When I was a kid, we used to make arrows specifically for short range flight, like knocking a squirrel out of a tree. Instead of having straight fletching (feathers) like a standard arrow, this arrow had fletching attached in a spiral around the arrow. My best recollection is that the fletching made four or five complete rotations around the arrow shaft in a pitch of probably one turn per inch. The arrow also had a very blunt rubber tip about 5/8" in diameter. This arrow was called a flu-flu because of the very distinct sound the spiral fletching made when it went through the air. It had a fairly short range and slow speed, at least compared to a normal arrow, and would probably be ideal for launching antenna line into a tree. You would probably want to use a fishing swivel where the line attached to the arrow because of the rotation of the arrow.

Now before some smarty asks, "No!" the arrow rotation does not make for a circularly polarized antenna!

73's

Brad, WB0CGH

Brad Bradfield, PE	Electrical Design Engineer
(H) 817-321-2960	Texas Instruments, Inc.
(W) 214-462-6230	

Real men talk with their fingers!

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ARRL Life Member QRP-L #377 SMIRK #4906 IEEE(M) ARS #72

Collector of wireless and landline Morse keys and accessories.

From owner-qrp-l@Lehigh.EDU Tue Sep 3 23:12:46 1996

From: lve1@inel.gov (Larry V East)

Subject: [3518] CPU Upgrade Kit

Message-ID: <2.2.16.19960903154533.1c6f367e@eloi>

-----> FOR SALE: "QRP CPU Upgrade" <-----

I have a new Intel DX20DPR50 "Overdrive Processor" for sale. This 50 MHz CPU will directly replace a -> socketed <- 486SX25 or 486DX25 25 MHz CPU for added computing power. This is a genuine Intel upgrade kit consisting of the CPU (with integral heat sink), installation manual, extraction tool for removing the old CPU and "Intel Overdrive Processor Demonstration and Diagnostics" disk. The box has been opened, but the plastic protective carrier for the CPU has not. I paid \$119 plus shipping for this and then discovered that my old CPU is NOT socketed (it is a surface mount type soldered directly to the board). Arrghhhh!! I will ship this upgrade kit to your door anywhere in the US or Canada for US\$110.00.

72, Larry W1HUE/7
lve1@intel.gov

From owner-qrp-1@Lehigh.EDU Tue Sep 3 23:12:46 1996
From: Marshall Emm <75230.1405@CompuServe.COM>
Subject: [3555] CQC Home Page Update
Message-ID: <960904015237_75230.1405_HHB35-1@CompuServe.COM>

Several links have been added to the CQC home page... If you see YOUR site here,
please consider offering a link to CQC and/or Milestone Technologies:

<http://ourworld.compuserve.com/homepages/mtech>
<http://ourworld.compuserve.com/homepages/mtech/cqc.htm>

Also please feel free to suggest any useful links by direct email.

73
Marshall
AA0XI

★ NW QRP Club

The NorthWest QRP Club home page

★ Embedded Research

Home of the Atomic Keyer kit.

★ LDG Electronics

Home of the AT-11 automatic antenna tuner kit.

* RSGB

Radio Society of Great Britain home page

* G QRP Club

British QRP club, by Frank, G3YCC

* Bob White (W03B) home page

Links to radio sites, many QRP related

* FISTS CW Club

The International Morse Preservation Society

* QRP-L

The Internet QRP Club

* Suggest a Link for us to add

* Return to Colorado QRP Club Homepage

From owner-qrp-l@Lehigh.EDU Tue Sep 3 23:12:46 1996

From: john andrews <jm165723@eee.org>

Subject: [3557] Crystal Evaluator board....

Message-ID: <322CF25C.4ACF@eee.org>

Major oops, Gang-

I mentioned to several of you that the Crystal Evaluator board(QST) was no longer posted on the FAR catalog. My mistake. Sells for \$4.50 plus shipping.

Sorry for any difficulties this may have caused.

Usual disclaimers.

72, John- N5INZ/6

From owner-qrp-l@Lehigh.EDU Tue Sep 3 23:12:46 1996

From: Phil Wheeler <pcw12@ix.netcom.com>
Subject: [3512] Dan's Small Parts
Message-ID: <322C2F32.1B37@ix.netcom.com>

I've received many replies to my msg of yesterday re Dan's Small Parts
(whose renouwn is anything but "small". Thanks to all who replied.

Phil W7U0X

From owner-qrp-1@Lehigh.EDU Tue Sep 3 23:12:46 1996
From: KC7FYS@aol.com
Subject: [3515] Hachijojima QRP dx-pedition [hi] report 7J1AWL\KC7FYS
Message-ID: <960903103416_514969167@emout07.mail.aol.com>

26 Aug 96

Report on the DXpedition to Hachijo Jima

About Hachijo... Hachijojima is located 291 km south of Tokyo. It's a cocoon-shaped island with an area of 70 sq. km. It's a volcanic island, belonging to the Fuji volcanic zone. I was going there to take a break from English teaching in the outskirts of Tokyo. "Why not make it a QRP expedition?" I thought.

I was graciously lent a Tokyo Hy-Power HT-750 50/21/7 MHz rig by my Japanese elmer, Makoto JE1CLH. (He's not much of a fan of QRP, as his usual output is 1.5kW. But he had the rig laying in his dental office/shack).

We left Hamamatsucho, Tokyo port at 10:30 on Wednesday night and piled on the ferry, a big boat with about five decks, one in the open. We took a "prime spot" on the upper deck out in the cool breeze, and laid out mats and settled in for the night's cruise, declaring our spot the best. Why would all those people stay inside where you can't see or feel the ocean? Well, about three hours into the cruise the ocean was quite rough, on the tail-end of a typhoon that'd missed Chiba Prefecture earlier. The ship was really rolling and bucking. We were wet and miserable most of the way.

The key in a seasick situation, says Jim, is to not stare at anything, because that's what stimulates the inner ear and gives the sensation that you're gonna die. Anyway, we did make it to the island and had a great time.

We had perfect weather. Only light rain the second morning at about 9-11 a.m., which is the time I'd scheduled it had I been asked to.

We hooked up with Ian, a Brit who's lived there for six years and who has two kids and a Japanese wife to die for, and he took us exploring some tunnels

that were dug by Japanese troops on relief from fighting and some POWs from Korea and maybe the US. There are 35 miles of the things on the island, and that's just what they know about! They got these "gejigeji" bugs in there, they're a sort of centipede crossed with a crawdad and they vary from 2-5 inches in length. The tunnel is quite small in some places, a tight fit for me, and the added dimension of these gejigejis in there, along with brown bats, gave me the willies to say the least. The thing is, you have to suppress all the claustrophobia/bug fear/ bat fear/ WW2 weird feelings and legitimate knowledge of the dangers of a place like that, just to keep "cool" in a situation like that. You're a kilometer or two in a small tunnel and you just can't freak out because the surface is too far away to get to hysterically. We sat in the tunnel at one point for about 15 minutes, just to, according to Ian, "feel the energy of the mountain." What the heck, I was into it. When I was sitting there I had all sorts of thoughts and visual sensations of light and heard some rumbling sounds and got really scared of these varmints, but mostly just dreamed. Try sitting in a cave sometime.

Ian says, "Try it for two or three hours with just one other person sometime." So this is a QRP expedition report...

We had perfect weather. Only light rain the second morning at about 9-11 a.m., which is the time I'd scheduled it had I been asked to. Ian, put out the word to some of the local hams, who hold a VHF gathering on Hachijo Fuji (854.3 m. the tallest point in the Izu Seven Islands chain.) and the next morning a man showed up with a HT velcro'd to his chest. I speak rudimentary Japanese when I'm fully awake and warmed-up. It was early and this eyeball QSO was fb but only about 299 on the RST. But he got his friend over later that day and English was spoken. As I mentioned, JE1GDY came by our campsite after the word got out I was there. He took me to meet his family (Wife Hideko JL1GQQ, son Yusuke 7N3NYU, daughter Eri 7N3UOY) and took me to his shack. He is interested in VHF and his "shack #2" is on the peak of Hachijo Fuji. He has a great set of QSL cards and is an excellent host.

He took my friend, Jim (son of WB1ET) running, and took both of us on a ocean cruise to the uninhabited island near Hachijojima (Hachijo Kojima with an area of only 3.1 sq km. It was evacuated 20 years ago due to an elephantitis outbreak on the island. Now only goats can be seen on it's steep slopes.)

I set up in the trees and again on the grass in our seaside campsite. I was using a small straight key made by my grandpa, W0X0 and only the whip antenna on 15 meters. Makoto told me he had no coil for 7 MHz operation, so I was hoping to build a dipole. But after finding a BNC connector on the island (with a piece of coax it cost me \$14!) I had no luck getting it to load up.

So, for 40 meters, I wrapped a 33-foot piece of wire around the end of the whip and put it up in the trees, only about 2-3 meters up. I attached the base of the coil--the outer part of the BNC to the remainder of the antenna wire I had brought, wrapped around a can of peaches. I was surprised to have good performance on 40 meters with this set-up. Maybe it was the tasty fruit. So I was a good 2-3 watts when the eight AA batteries were fresh.

QS0's
JA8XRU 21.1419 539 Tomakomai City
JM3APP 7.0060 579 Nr Osaka
JK4DLZ 7.0060 319 Isashinon?
JS1PMF 7.0135 259 Nagareyama
JR5EBB 7.0300 579 Takamatsu City
JM4KGF 7.0234 539 Yasugi City
(JN6FFC 7.007 599 Kumamoto City
JA8XRU 21.14165 599 from JE1GDY's shack, QR0)
JA6JRK 7.0068 339 Kamiagata
UA0FEA 7.007 359/QRM Irikorasakov
JE3HHT 7.0283 449 Takatsuki City

So I had a great time with QRP, and I was quite surprised how well I got out, especially on 40 meters.

I had such a great time camping/ playing taiko drum/ hitchhiking/ tunnel exploring/ snorkelling/ sneaking into the hotel pool for a midnight skinny-dip/ ocean cruising, that I didn't take much time to QRV. If the weather had been worse, I might've spent more time on the air!

It was a great trip, thanks in part to Mak, JE1CLH, for lending me the Tokyo Hy-Power HT-750. Thanks, Mak. I continue to have a good time QRVing in JA.
73,
Jonathan 7J1AWL\KC7FYS

From owner-qrp-1@Lehigh.EDU Tue Sep 3 23:12:46 1996
From: Gary Surrency <gsurrenc@ix.netcom.com>
Subject: [3521] Hachijojima QRP Expedition
Message-ID: <322C56AC.4F90@ix.netcom.com>

Thanks Jonathan for the wonderful post on the trip! WOW! Do those gejigeji bugs bite?! Whooooooooooooo!

Sounds like it was really a expedition to remember.

vy 73,

--

Gary, AB7MY QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH

From owner-qrp-l@Lehigh.EDU Tue Sep 3 23:12:46 1996
From: Michael Boice <kd0fx@worldnet.att.net>
Subject: [3560] HW-8 alignment
Message-ID: <1.5.4.16.19960903203235.1d072704@postoffice.worldnet.att.net>

A while ago, I picked up a HW-8 from a friend. Prime shape, and even has the original manual. Unfortunately, it needs a good alingment, and I don't have the alignment tools called for in the manual. I did manage to borrow a vintage VTVM (another Heathkit, built 1972), but that's only 1/2 the problem.

Does anyone here have the alingment tool(s) for sale, or know of acceptable substitutes? Or does anyone know of someone offering an alingment service for HW-8's?

Thanks to the group for their continuous help,

73,
mike KD0FX
Richland WA QRP-L #576

From owner-qrp-l@Lehigh.EDU Tue Sep 3 23:12:46 1996
From: Gary Surrency <gsurrenc@ix.netcom.com>
Subject: [3520] IF rejection on ARK30, 30m activity (LONG)
Message-ID: <322C5582.1B16@ix.netcom.com>

Gang,

I've been having a problem lately with my ARK30 picking up what seems to be a 12MHz BC station. It sounds like a weak to fairly strong carrier in the background no matter what frequency I tune with the thumbwheels, but the RIT does make it move. IF bleedthru!

So, to hear weak (qrp) signals I have to run the RIT off center enough to zero beat the BC carrier. Sometimes I have thought I heard Spanish language along with the carrier, so it may be a Spanish language shortwave broadcast. I don't have a full coverage rcvr to identify who the BC is. Maybe some of you could help. It's strongest in the evenings around 0100-0400Z.

Since the RIT seems to move the signal in the 12.00 MHz IF passband, I decided it must be slipping past the front-end bandpass tuned circuit

and the diode mixer. So I fire up my MFJ-259 analyzer, attach my 40m dipole to the antenna connector and carefully tune it to 12.000000 Mhz. AHAAH! There it is!. And again, the normal thumbwheel tuning does not affect it, but the RIT does. Quickly, I unhook the MFJ-259 so as to not QRM the megawatt BCI station on 12.000000 with my 4mw. ;-)

So, now I'm thinking the ARK30's input bandpass filter must be out of alignment even though I spent a lot of time tweaking it. But I get to reading about how it is difficult to peak a tuned circuit if the AGC is on, so I'm not so sure the alignment is as good as it could be if I temporarily disable the AGC and repeat the alignment.

BTW, my TAC-1 doesn't seem afflicted this way, but then again it uses a two toroid transformer bandpass filter in front of the RF stage and no filter after the RF stage, where the ARK30 uses two metal TOKO metal can inductor filters, one pair before the RF stage, and another pair following the RF stage prior to the DBM.

Anybody else have this problem, or can suggest a solution before I open up the ARK30? Arrrgggghhh! If you have one, you know what a chore that is! I'm looking for alternatives before I call S&S on this.

Are toroid transformer bandpass filters that much better than ones built using inductors? Both rigs use DBM mixers that I upgraded from 1n4148s with hot-carrier diodes. The TAC-1 has 1n5711 schottkys, and the ARK30 is now using Motorola MBD101s that seem a little better. I'm thinking of putting Mini-Labs SBL-1s in both of them. The ARK uses relay T/R switching, where the TAC-1 is all solid state T/R switching.

Anyone have any comments on the SBL-1 mixers, or have a rig that uses them? I am very interested in your comments. I see Dan's Small Parts has a summer deal on them: 2 for \$9.00, reg \$6.50 ea.

=====

Also had several nice QSOs last Sunday night from 0231 to 0404. The 30m band was in pretty good shape, but did lose a QSO or two to QSB.

Worked:

K0RDW, Ron in St.Paul

W5TZW, Larry in Bismark, AR

W6DU, Eric near SF

AB7LK, Gary in Castle Rock, WA

They were all QRO, but had nice chats in spite of the QRN/QSB. 30m was pretty bad here last night (Monday) with fewer stations and LOTS of QRN.

Setup: ARK30 at 5-6 watts to sloper dipole 13 ft over my pool fed with 30 feet RG8X.(CC&Rs) Homebrew keyboard. WM-1 wattmeter.

cul and 72/73,

--

Gary, AB7MY QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH

From owner-qrp-l@Lehigh.EDU Tue Sep 3 23:12:46 1996

From: John D Young <jdy@whitney.ufl.edu>

Subject: [3503] KC-1 & HW-9

Message-ID: <Pine.LNX.3.91.960902225555.10267A-1000000@whitney.ufl.edu>

Has anyone installed the KC-1 in a Heath HW-9? I am not seeing a good way to get the band change signals for 80m and 12m. Will I need to add a couple of inverters?

Thanks & 73

John WA8KNE

From owner-qrp-l@Lehigh.EDU Tue Sep 3 23:12:46 1996

From: Bob Hirsch <bobh@p3.net>

Subject: [3517] keyers - tn timer

Message-ID: <1.5.4.32.19960903152323.006993e8@p3.net>

Thanks to all who responded to my request for opinions/info on keyers.

All except one was for the Super CMOS III and one was for the MFJ Grandmaster Model 484.

73 de Bob, AA3ON

No Code, No HF....Know Code, Know HF!

From owner-qrp-l@Lehigh.EDU Tue Sep 3 23:12:46 1996

From: Roy Boggs <rboggs@pcc-uky.campus.mci.net>

Subject: [3531] MI QRP Contest - Major Fun
Message-ID: <2.2.32.19960903184420.0067c078@pcc-uky.campus.mci.net>

Hi gang,

Last night was my first stab at jumping in the pandemonium of a contest and boy, did I have a ball! I wasn't really aware of how easy it is to pick out calls in that mess. Nobody sent super fast so it wasn't a blood-and-guts thing but it was hilarious how everyone was stacked on top each other over 2-3 kHz. Can't wait for another one. I ran 5 watts on Knwd 850 for it's filters, and just floated around casually answering the CQ's. All sigs were loud; some were consistently 10-20db over S9 so I thought there were a bunch of QRO guys in there!

Thanks to the fine operators of the MI club for being so skillful, friendly, and putting on a good show:

K8NQC	AC8W	W8KUX	AE3T	KI4PS	KE4NYH	AC5AM
VE2DRB	WB8ZWW	W3TS	W3PNL	K8DD	WA0RPI	

I'm sure there were others but these are all I worked till the band went west. BTW what is that HPM stuff where ops use /127 suffix? I don't keep up with contests but have been hearing these for several days in and around "our" 7.040.

72,	Roy	KE4KDT	Norcal	ARCI	KL	QRP-L
		Prestonsburg, KY				

From owner-qrp-1@Lehigh.EDU Tue Sep 3 23:12:46 1996
From: k5zty@hamgate2.w5-f6cnb.ampr.org
Subject: [3561] MI QRP contest help
Message-ID: <14276@sugarland.ampr.org>

I recieved the following message this evening from Mike, KB5YVT.
I had noticed that there was a lot of room around 14060 Monday during the contest.

72,
Bill ,K5ZTY

From owner-qrp-1@Lehigh.EDU Tue Sep 3 23:12:46 1996
From: rcrampton@gtc.itt.com
Subject: [3539] Misc. QRP Info Needed for Presentation
Message-ID: <22c869c0@gtc.itt.com>

Hello all,

I will be giving a presentation on QRP September 14 at a local amateur radio club meeting, and am requesting any information you would suggest I include. I'll be following the presentation up with a club project so people can build their own QRP rigs. The following is a rough outline of my presentation, so information on any of these or other information to include is greatly appreciated:

1. What is QRP
 - Definitions
2. QRP Operating skills
 - Use of good operating skills to compensate for low power
3. How to get on the air QRP
 - Back the power down on your appliance rig
 - Build you own stuff
 - etc.
4. QRP Awards/Endorsements
 - WAS, WAC, DXCC, 5BDXCC QRP
 - ARCI
5. QRP Contesting
 - Piggybacks
 - Field Day
 - November Sweepstakes
 - QSO Parties
 - January VFH Sweepstakes
 - ARRL International DX Contest
 - QRP Specific Contests
 - Spartan Sprints
 - Colorado QRP Contest
 - Michigan QRP Contest
6. Informaional Resources
 - Texts
 - W1FB QRP Notebook
 - QRP Classics
 - Club Newsletters
 - ARRL Handbook
 - e-mail
 - qrp-l e-mail list
 - www
 - Norcal Home Page
 - ARS Home Page
 - Knightlites Home Page
7. QRP Frequencies

CW	SSB	Novice
1810		
3560	3985	3710
7040	7285	7110
10106		

14060	14285	
21060	21385	
24900	24950	
28060	28885	28110
50060	50885	

8. QRP Clubs
 - GQRP Club
 - ARCI
 - Colorado QRP Club
 - Michigan QRP Club
 - Nightlites
 - NorCal
9. Homebrew: Where to Start
 - Kits
 - Elmers
10. Club Project
 - NW40
11. QRP Reference Sheet (Handout w/ Helpful Information)
 - QRP Frequencies
 - Internet addresses/sites
 - Useful Reference Books
 - List of clubs

I'm not active enough (or arrogant enough) in QRP to get everything pertinent off the top of my head!

Thanks in advance to all,

Ray, KN4SK

From owner-qrp-l@Lehigh.EDU Tue Sep 3 23:12:46 1996
From: Tim English <dx@tir.com>
Subject: [3551] More Gel Cells available
Message-ID: <2.2.32.19960904011918.008e0200@tir.com>

I have two 12 vdc 7ah gel cells available. Used but load tested good. \$20 shipped conus.
Also have one 12 vdc 4ah cell available. \$15 shipped conus.

7ah cells measure 6 x 3.75 x 2.5
4ah cells measure 3.5 x 3.75 x 2.5

Email me if more info is needed.

--

Tim

Amateur Radio Station: WB80GM (since 1972)
Email: dx@tir.com

** Visit the Auction Web at <http://www.ebay.com/aw/> **

"Sometimes imagination is better than knowledge"

From owner-qrp-1@Lehigh.EDU Tue Sep 3 23:12:46 1996
From: SCN User <nwqrp@scn.org>
Subject: [3559] Newbie questions (fwd)

----- Forwarded message -----

From owner-qrp-1@Lehigh.EDU Tue Sep 3 23:12:46 1996
From: wa5whn@juno.com (Jay D Miller)
Subject: [3504] QRP & Camping, A Natural union, in New Mexico
Message-ID: <19960902.210132.4551.2.wa5whn@juno.com>

Dear Fellow QRP Compadres,

What a pleasure it really is, to camp, on a mountain peak, with a lake within 1.2 miles (315 degrees magnetic bearing from the camp site). Here is just a sample of what we (N5ZGT & His Dad (Pat), K8BI, WB5LYJ & WA5WHN) had done. Since both K8BI & N5ZGT both have Garmin 45 GPS receivers. We had tried an experiment to see how well the 1.565 GHz spread spectrum signals, from the GPS satellite constellation, would work, in a forest. The initial Lat. & Long. was taken, at the camp site, and a bearing established (We had been to the Lake before, via another trail) to the San Gregorio Lake. While in the forest, the bearing indicator did work, but the vector (pointer) did not work very well, on the Garmins & a multitude of times, the canopy of the forest, had attenuated the signals. Something to be said, about using the old trusty compass. Take Your' bearings with the GPS receiver, then guide on a standard compass. We had all stayed in contact with each other, on VHF (146.42 MHz). In the event one was lost, they could body null the HT, then take a compass bearing (point) to us, as we keyed the Tx..

We had stopped at the Lake to watch outfitters bring in the kitchen sink, and provisions, for Bow Hunters (Elk Season), on horses & lamas.

Lat. 36 degrees 01' 36.1" N
Long. 106 degrees 50' 10.0" W -----> Our Camp Site, San Pedro

Wilderness

We had put up 2 HF antennas, one was a 20 meter sloper & the other a 10-160 meter Windom antenna from Radio Works @ 40 feet. Sometimes the 20 meter sloper had worked a bit better, to the NE (since it was pointed that way) than the Windom. We did work numerous stations on 20, 30, 40 & 80 meters. Even tried 160 meters, but the QRN was too high. Brian (n5zgt@swcp.com) had found a stranded copper wire, that is easy to wind back up, and makes for some rugged antennas. 2 contacts, near Houston, one was on 30 meters & one on 40 meters cw, in the middle of the day (3 watts), great signals. We had very little problem working the east coast from atop this 9,200 foot mountain peak, on 20 meters cw. We were using an Icom 706 in the mobile, plus a MFJ 9020, and Index Labs QRP + xcvs. Deep cycle batteries would have powered these (@ QRP power level) for weeks. We could get into every repeater, from the Colorado border, to Albuquerque, on a HT.

This was Labor Day weekend. So all of the improved camp sites were taken. Therefore, vehicle ground clearance (at least 17") & 4 Wheel Drive is needed, to get away from Your' fellow Man. Another natural marriage, especially high in the Rocky Mountains, 4WD vehicles. We did occasionally see an Elk walk into the camp, and some Puma tracks & we did answer that age old question, "Yes Bears do go in the forest." ;-). We did see some shooting stars, and the Milky Way is very bright. Oh, and yes, we did see Comet Hale-Bopp & great view of the planet Jupiter, while sitting next to a camp fire.

The home made pancakes, & the home made posole, and hot chocolate (was down to 38 deg. F, at night) was excellent. WB5LYJ & K8BI are excellent cooks.

This is our heritage, under the dark skies of the Rocky Mountains.

N5ZGT-Brian had worked the Special Events Station in Paradise, Arizona, while we were at this camp site. When the Op had asked where Brian was, he had told him "Paradise". The Op had asked what part of the camp ground, Brian said "The New Mexico side" ;-). We were separated by over 300 miles. Yes, we were in Paradise.

We did not try to work as many stations as possible, but we did have some great long winded QSO's. 30 meters was about the best band, propagation wise, around the USA, during the middle of the day.

We are planning a sojourn, deep into the San Pedro Mountains, to a peak that is 10,500+ feet high. We can not drive to it, and all gear must be back packed in. We will probably make this a 4+ day event. No more than 5 of us are going. That is when we will pack in the GM-20/30 xcvs and maybe one Sierra xcvr, plus several small battery packs, and antennas

(slopers). Beef Jerky & dried fruit will be less weight, but we do love our comforts ;-)

So, if You hear us, call, and yes, we did take pictures.

72...Jay,

WA5WHN

PS Everyone ready for "QRP AField", Sept. 21rst ?

From owner-qrp-l@Lehigh.EDU Tue Sep 3 23:12:46 1996
From: BOB KELLOGG <ae4ic@nr.infi.net>
Subject: [3541] QRP Contest - 40-9er +
Message-ID: <199609031936.PAA12683@mh004.infi.net>

Hi Gang,

Your advice solicited. Yes, there will be a 40-9er contest this fall. Scoring will try to balance the 40-9ers capabilities with other QRP rigs, so everyone can participate and have a good time.

We are going to coordinate the timing of this contest with the Fox hunts, so there will be no interference.

Valuable prizes are being donated by Chuck Adams and Doug Hendricks for NorCal.

Just to try something a little different, part of the exchange will be a two letter rig code, something like the following:

Rig Codes:

40-9er	=49
A & A	=AA
Green Mtn	=GM
Home Brew	=HB
Heath HW-7	=H7
Heath HW-8	=H8
Heath HW-9	=H9
Icom	=IC
Index Labs QRP+	=IL
Kenwood	=KW
MFJ	=MF
NorCal 40	=NC
NorthEast	=NE
NorthWest	=NW

Oak Hills Expl.	=OE
Oak Hills 400	=O4
Oak Hills 100	=O1
Sierra	=SA
Small Wonder	=SW
Ten Tec	=TT
Wilderness Radio	=WR
Yaesu	=YS

What we tried to do here is specify the QRP kit rigs and just name the Commercial rigs. These list is merely out first pass, so suggestions are appreciated. If the rig you would like to use is not included tell me and suggest an unused code.

Finally, and the big question - how should prizes be awarded?

- A. Most 40-9er contacts? (using any rig except 40-9er)
- B. Most contacts using a 40-9er?
- c. Most points (using a weighting system - 40-9er to 40-9er, 40-9er to QRP, QRP to QRP, QRP to QRO each receiving a different weight)

This will be our contest, because the only publicity will be through the QRP-L. So, let me know what would be fun for you. We don't want to limit the contest to just QRP-L members, however, because there have been over 1000 40-9er kits distributed. If your club made them as a project, be sure to publicize the contest. Dates will be determined shortly. The frequency will be 7.040 +/-!

CUL,
Bob Kellogg, AE4IC
Probably, but not nececelery. - Benny Hill

From owner-qrp-l@Lehigh.EDU Tue Sep 3 23:12:46 1996
From: Grover Cleveland <groverc@shasta.gvg.tek.com>
Subject: [3529] Real QRP Logging and Keying
Message-ID: <322C79D9.73DC@shasta.gvg.tek.com>

Since I know that we are all minimalists if one sort or another, I have been exploring a minimalist approach to logging (other than paper and pencil). In the process I discovered another logger, keyer, and greyline clock, in a package about the size of two checkbooks and at a terrific price.

I recently bought a Psion computer. If you don't know what these are then visit the Psion page at psion.com - in a nutshell: very small

handheld computing power. The 1Mb Psion is available very inexpensively (\$175) right now if you know where to look. (Write to me for details)

What makes this of use in a logging/contesting environment is to be found at <http://www.iaehv.nl/users/reinc/#PSIONSOFTE> - a contest keyer and duping log program that runs on a Psion (with a greyline clock thrown in to boot)! This is an incredible combination of miniaturization and computing power which, when coupled with any qrp transceiver, makes for a great portable contest station.

I'll bring the whole setup along to the next Norcal meeting, but don't wait that long because the Psions will all be gone by then.

regards,

Grover WT6P

From owner-qrp-1@Lehigh.EDU Tue Sep 3 23:12:46 1996

From: rcrampton@gtc.itt.com

Subject: [3540] Re[2]: Signetics Web Page

Message-ID: <22c86a50@gtc.itt.com>

Just so you know, Philips is spelled with one 'L', not two. Someone told me the page address over the phone awhile ago, and I kept trying and trying for a whole day before I looked up on my wall to a poster I have that has "Philips" written on it! Put one L in and it worked great!

So the home page is:

www.semiconductors.philips.com

73's

Ray

----- Reply Separator -----
Subject: Re: Signetics

Author: mgipe@reliablemeters.com at Internet

From owner-qrp-1@Lehigh.EDU Tue Sep 3 23:12:46 1996

From: Gary Surrency <gsurrenc@ix.netcom.com>

Subject: [3519] S&S web page

Message-ID: <322C4A8C.627B@ix.netcom.com>

I lost the URL for S&S Engineering. Anybody have it handy? Thanks.

72/73,

--

Gary, AB7MY QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH

From owner-qrp-l@Lehigh.EDU Tue Sep 3 23:12:46 1996

From: Bob Hightower <ki7mn@dancris.com>

Subject: [3554] Shooting lines

Message-ID: <199609040139.SAA08618@dancris.com>

You might also try a cable (data and phone) contractor...they use these bobbins the same way as the electrical contractors. Come in all sizes.

73,

Bob NorCal #1228, ARCI #8918, Qrp-l #271, CQC 274

From owner-qrp-l@Lehigh.EDU Tue Sep 3 23:12:46 1996

From: "Robert & Angela Dianetti" <rad@imperium.net>

Subject: [3533] Sierra For Sale

Message-ID: <199609031904.PAA16533@rex.imperium.net>

Hello. I have a little-used but well built Sierra for sale. Comes with 40 meter band module and unbuilt KC-1 keyer.

This unit is works exceptionally, and was built by a well-known contributor to this list. My only reason for selling is that you really CAN have too much ham equipment!

Selling price is \$210.00, which includes shipping. Please e-mail me back or contact me at my home phone number 330-945-7934.

Thanks and 72s

Bob Dianetti, WB2JGH

From owner-qrp-l@Lehigh.EDU Tue Sep 3 23:12:46 1996

From: sigcom@juno.com (Stephen M Smith)

Subject: [3508] Signetics

Message-ID: <19960902.221803.8319.0.sigcom@juno.com>

Does anyone know if Signetics is: (1) Still in business (2) On the 'net and (3) Where I can get Signetics data sheets/app notes? Yes I tried Yahoo, etc.

Thanks es 73.....Steve, WB6TNL QRP-L #621

From owner-qrp-1@Lehigh.EDU Tue Sep 3 23:12:46 1996
From: Richard Wilkerson <richqrp@postoffice.worldnet.att.net>
Subject: [3506] sprint
Message-ID: <322B5D9F.113A@postoffice.worldnet.att.net>

Well all I heard was WB4ZKA ..all over the band. Lots of noise here in Santee. Worked the following:

WB4ZKA ..AZ., K06KA ..Ca., WA6AZP ..Ca., WA6AZP ..Ca.,
AE4CA ..Ga., K5QXX ..CA., K5ON ..Nm., N0TFI ..Co.

Only 8 contacts but lots of fun going crazy with all the noise.
72's to all...rich WD6FDD

From owner-qrp-1@Lehigh.EDU Tue Sep 3 23:12:46 1996
From: mark.milburn@cshl.com (MARK MILBURN)
Subject: [3526] survey...who am I?
Message-ID: <8C7A1CB.000A006EE8.uuout@cshl.com>

Didn't really think I would ever need my qrp-1 #, but if I want to answer the last survey, guess I will need it after all. Will someone tell me who I am....or how to find out?

Thanks....Mark....KQ0I

From owner-qrp-1@Lehigh.EDU Tue Sep 3 23:12:46 1996
From: w7ls@brigadoon.com
Subject: [3534] T2FD antenna? Eh?
Message-ID: <199609031906.MAA22614@olympic.brigadoon.com>

I have a B&W AC 1.8-30 end fed antenna. How is it similar to a T2FD antenna? Can someone describe the theory behind the T2FD? Not down to quantum mechanics, just a ham discussion. Tnx/73 de Jim, W7LS

From owner-qrp-1@Lehigh.EDU Tue Sep 3 23:12:46 1996

From: lve1@inel.gov (Larry V East)
Subject: [3528] Test a new rig...
Message-ID: <2.2.16.19960903175857.18cffcb2@eloi>

>Lee, you must have the patience of Job! I have trouble waiting long enough
>to put the cover on before I fire up a new rig!

What?? You actually put the COVER on? Bet you even solder up all the
connectors... (sheeessh!)

From owner-qrp-l@Lehigh.EDU Tue Sep 3 23:12:46 1996
From: "Robert & Angela Dianetti" <rad@imperium.net>
Subject: [3536] test do not read
Message-ID: <199609031912.PAA16896@rex.imperium.net>

Test message, please do not read

From owner-qrp-l@Lehigh.EDU Tue Sep 3 23:12:46 1996
From: Russ1031@aol.com
Subject: [3532] The Accidental Twofer Get an A Plus
Message-ID: <960903145617_276060470@emout08.mail.aol.com>

Gosh, combining two contests really works. I had more fun than a barrel
of monkeys working the Michigan/ARS combo last night. My little Sierra
nailed 38 stations in 22 states in just two hours.

Full details on the ARS Spartan Sprint will be published Thursday on the
QRP-L. Should be interesting.

Russ Carpenter, AA7QU
ARS #1

From owner-qrp-l@Lehigh.EDU Tue Sep 3 23:12:46 1996
From: jim seeber <kw3u@warwick.net>
Subject: [3505] the labor day sprint
Message-ID: <322BCACE.CBB@warwick.net>

Was glad to have time this year to join in,
it was a battle on 40 with the nets moving
traffic and spanish ssb, but thats the kind

of operating that separates the men from the boys,
anyway, my grand total was 20 mostly on 40, with 5 or so on
80 using 5 watts to a longwire with my ic-725.
tnx to the fine ops at the following stns.
k8nqc - wb8zww - kn4qv - ac8w - ve2abo - n4oln
ve3uwl - ve2drb - n9dd - wa4dai - kb1fk - aa3bz -
wk8s - k3wwp - k8idn - w8kux - ke4yh - W3TS.
72 to all fine ops. Jim

From owner-qrp-1@Lehigh.EDU Tue Sep 3 23:12:46 1996
From: Steve Miller <kg7pv@teleport.com>
Subject: [3552] TMPS
Message-ID: <1.5.4.32.19960903232144.00679534@mail.teleport.com>

I really must stop working so much! My totals represent much fun however
especially the ZL. Next year the rig goes with me on my travels for work. 73

Steve Miller (CN-85) Norcal #308 QRP-L #109 ARCI # 9230
Oak Hills Spirit II es dipoles

KG7PV TMPS 1996 Qs=38 States=16 Confirmed=0 Dx=05
AK AZ CA CO KS NC MT NE NM PA SD TX UT VA WV WY
JA JW OZ VE7 ZL2

From owner-qrp-1@Lehigh.EDU Tue Sep 3 23:12:46 1996
From: cjsterl@ix.netcom.com (Craig J. Sterling)
Subject: [3509] TMPS FINAL TALLEY
Message-ID: <199609030941.CAA26499@dfw-ix9.ix.netcom.com>

Greetings to all,

I hope everyone had a nice holiday. While Labor Day traditionally
marks summer s end, I can t say I m going to miss it. Darn ... the
bands have been noisy! I don t recall last years QRN levels as being
as intense as what I ve experienced these past several months. Even
with the noise I ve been able to eek out my share of DX, thanks to
TMPS and a big FB to Chuck for getting the whole thing started in the
first place.

Here it was the last day of TMPS. Things have started to slow down on
the band during the last few weeks ... I think Harvey (N6MM) drained
the band dry of any new DX! Early Sunday, 1130 UTC was working on my

computer logging program. The rig was on 10.102? and all of a sudden VK4XA calls CQ. Got my first VK! Out of all the DX I v e worked to date, the VK and 3B8 were my greatest success stories on TMPS. Hope others had similar experiences. See you on the band!

TU ALL,
Craig, AA3MD

Craig Sterling (AA3MD) cjsterl@ix.netcom.com
AA3MD TMPS 1996 Qs=254 States=41 Confirmed=24 DX=48
CT MA ME NH RI VT NJ NY MD/DC PA AL FL GA KY NC SC TN VA AR LA MS NM OK
TX CA AZ OR MT WY MI OH IL IN WI CO IA KS MN MO ND NE
EW VE1-3 LZ G XE 9A HA VP9 DJ OZ EA1 EA8 OK I GM C6 HB SP YT ZL CY0 OM
3B8 PJ2 CM F HC HB0 OA UT TI GU SM OH KP4 PA CT TK 9H YV HI S5 V4 HK0
JH HK LU VK

From owner-qrp-l@Lehigh.EDU Tue Sep 3 23:12:46 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [3545] TMPS Reports
Message-ID: <199609032016.UAA26850@chuck.dallas.sgi.com>

Gang,

I'm getting email on the results of TMPS.

1. Everyone had a good time.
2. Some people worked more Q's than others.
3. Some people worked more DX than others.
4. Some people only worked DX.
5. Some people only worked USofA.

The purpose of the exercise was to get more people out and about and take the rigs for a test drive on 30M. It was not a contest, since they are not allowed on WARC bands.

It was a joy to work a bunch of the QRP-L group on the air and in general see a lot of QRP activity on the band.

Of course, this group does have a pretty fair number of people on the air anyway.

Hopefully noone felt left out. Getting on the air is a test (especially with QRP) of patience, perseverance (had to look that one up), equipment and conditions.

So, I don't need 'em. Take stock of what you did and brag if you wanna or write it up for QQ or QRPP or 72 or ...

My personal high was just this morning when I got the RI QSL card, #49 on 30M confirmed in less than 15 months. Andy wrote on the card that he was a new ham of only 6 months and already had 47 states on 30M. I'm impressed QRO or QRP that is pretty good. He needed card from a station in AZ (of all places) and had sent two SASEs but still no reply. Goes to show that all states may be rare to someone. He did make a point that he had worked AK twice (the same station). :-) ;-) He also was up to 20wpm and I know that as I was doing 20 when I worked him.

So thanks to all that participated and I sincerely hope that you had fun.

Hold on gang. I can see this group getting very excited about the foxhunts for this year. I'll do a RFP for fox stations in a week or so, so don't get on my case yet, please. I went all last week in CA without sleep and I got two more days Wed and Thur that are big days at work. Then I can get ready for the big one. Got a few mailings to do, so hang on tight.

Thanks for the feedback so far on the proposed survey on keys and keyers (I do know the diff, just got on question ahead of myself in typing :-) ;-)). Going to add about 10 more Qs then I'll post.

Would you believe that I got three people who filled them out and sent them back to me????? >/dev/null ;-)

Yet another long winded post from K5F0.

Oh, one depressing stat. I didn't work my buddy Bob, W03B, this year. Guess his going down to a power level of less than 0.5W made it more difficult to cross the state line. :-)

dit dit

Chuck Adams (K5F0 CP-60) adams@sgi.com

From owner-qrp-1@Lehigh.EDU Tue Sep 3 23:12:46 1996
From: "Mark S. Adams" <msadams@acsu.buffalo.edu>
Subject: [3527] TMPS Summary
Message-ID: <322C70CC.68B3@acsu.buffalo.edu>

Hi Gang,

The TMPS is over, right? Well, over or not, here is my summary.

TMPS 1996 Q's=151 WAS=30 (Need to recount, this is low)
Confirmed=45 DX=17
6W1 C6 CT3 DL EA ES HC LY LZ OM OZ SM U5 VE XE YT ZF
Worked all Canada (not even close!)= VE1 V01 VA2 VC2 VE2 VA3 VY2 VE6

For most of the test, abt 128 Q's I used an HW-9 (3W). After selling it to a grateful (I hope) person on the list I worked another 15 Q's with my SWL-30 (1W). The last few were with my newly aquired Argo Cubby (4W). Antennas for all Q's were full wave loops cut for 40M and fed with ladder line. I use the same type antenna at home and at my in-laws cottage. The latter QTH's antenna is nicely positioned for the Canadian maritimes. Seems I can work PEI and Nova Scotia at will from the cottage.

The TMPS sure was fun and I hope to have a dedicated HB rig for the next one. Now let's see, there is the GM-30, OHR-100, Explorer and NW8020. Oh yeah, also the MXM, 624 kits and.....

I cannot wait for the foxhunts. Should be great fun.

72's de Mark, N2VPK, Member of the Buffalo QRP Connection

From owner-qrp-1@Lehigh.EDU Tue Sep 3 23:12:46 1996
From: jerry@otherside.com (Jerry L. Kitterman)
Subject: [3538] Trade: Argo 509
Message-ID: <199609031933.DAA24927@nirvana.otherside.com>

Hello all,

I have for trade an Argo 509, 208 cw filter and the S-30 Signalizer, all in good working shape. Looking for something that I can run mobile cw with. Also looking for a 2 meter all-mode rig. The argo seems like it would be too fragile to run in the mobile for very long and would like to have a little more power (25 watts or so) when in the mobile.

Contact me at 812-923-8152 after 4:00 PM EST or via e-mail at jerry@otherside.com. Thanks es 72.

Jerry
WD9CTB

From owner-qrp-1@Lehigh.EDU Tue Sep 3 23:12:46 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [3530] W3RGQ BCN
Message-ID: <199609031817.SAA25717@chuck.dallas.sgi.com>

Anyone on this group send him a card and get anything back? This is of course the beacon on 30M. Last time I heard it it sounded like it was getting closer to 10.116MHz.

QRPers never die they just milliwatt away.

dit dit
Chuck Adams (K5FO CP-60) adams@sgi.com

From owner-qrp-1@Lehigh.EDU Tue Sep 3 23:12:46 1996
From: Dennis Terribile <wr4i@nando.net>
Subject: [3507] Walmart battery:Carefull!!
Message-ID: <199609030549.BAA23243@parsifal.nando.net>

Hi All..
Picked up a couple of the Walmart batteries (@\$15) here in Durham,NC and put one on a 18v/200ma wall_wart that I have for a W&W charger. The light came on fine and it appeared to be taking a charge. I noticed a sound coming from it when I went to check it several hours later and put my ear up to the case. It was the sound of BOILING acid inside the cells! So, folks, a word of caution, these batteries do NOT have auto-cut off circuit! In the future I will use my solar charger circuit when charging this<g>.
72,Dennis,WR4i

From owner-qrp-1@Lehigh.EDU Tue Sep 3 23:12:46 1996
From: wa5whn@juno.com (Jay D Miller)
Subject: [3547] White Mountain 20 & 75 & QRP-L Contest

Message-ID: <19960903.163439.4567.0.wa5whn@juno.com>

OK QRP Compadres,

2 items;

1. NN1G has released a flyer, stating that as of Sept. 20, 1996, he will be shipping a SSB kit for both 20 & 75 (2 separate xcvrs, but we do love a challenge ;-)) meters. If You would like to obtain a flyer, with the specs, contact Dave Benson, NN1G at bensondj@aol.com . Not bad for a \$100.00+ kit (without enclosure & manual, pic counter, knobs) Dave is taking orders now. Add \$60.00 if You want the Manual, pic counter, enclosure, knobs, minus Microphone.

specs

.Transmit and Receive Crystal filters	2.2 KHz	BW (8 MHz IF)
. Receiver MDS:		-128 dBm (0.1 microvolt)
. two-tone Dyn. Range	90 dB	
. Image Rejection	70 dB	
. Frequency coverage	150 Khz nominal	(20 m)
. cold start drift (typical)	< 300 Hz	
. Transmitter Harmonics/spurs	< -45 dBc	
. Transmitter IMD3 (2-tone)	-36 dB PEP	/ (6 W PEP)
. Power requirements	12 - 14 VDC	@ 120 milliamps receive

The typos are mine, I don't have any financial interest in Small Wonder Labs. Talk to Dave, NN1G, (Bensondj@aol.com), direct, NOT ME, if You are interested in these kits.

2. Get Yourself a QRP-L number (me included), because we are going to have a (First ever) QRP-L contest, over the air, not on the computers. ;-) The rules start out if You argue with me, about Your' score, -100 points, if You argue with me & You are right, -200 points. ;-) It will be FUN ! Some very interesting bonus points, in other words, You have not seen a contest like this one before. Oh, like the Big DX Contesters, bribes & generosity (\$\$\$\$) will always increase Your' score. See, I have been paying attention to these DXpeditions, except those who donate the most to the expedition, are always at the head of the DX list & are 599 ;-) It is beginning to look like the March '97 timeframe for the contest, since that seems like a dry spell, for QRP contests. More later, but definitely obtain a QRP-L number, You will need it to play. This contest will also involve some QRP Pioneers & People who make this part of the hobby great.

Documentation, about the QRP-L can be obtained by sending email to: listserv@lehigh.edu, subject line is ignored, in the body of the message the word * help *, without the * in the body of the message.

72...Jay,

WA5WHN, no QRP-L # yet. ;-)

From owner-qrp-l@Lehigh.EDU Tue Sep 3 23:12:46 1996
From: "Harvey D. D. Hetland" <HDHETLAND@paccd.cc.ca.us>
Subject: [3544] Re: (long) 14.060 is Useless!; where do we do?
Message-ID: <66484F0751@manage.paccd.cc.ca.us>

On August 29th "srichard@northnet.org" (no call given) noted as part of this thread that Minute item 47, page 66, September, 1996, QST related to this discussion. The motion is reproduced at the conclusion of this comment if you do not have your copy of QST handy.

On Saturday August 31st I encountered Mr. Heyn, WA6WZO, ARRL Southwestern Director at the TRW Swap Meet in Redondo Beach, and I questioned him regarding his motion at the July ARRL Board of Directors meeting. He indicated the following points.

The motion relates to both high frequency and VHF/UHF band plans. He noted that the charter of the Membership Services Committee as published in the ARRL Articles of Association formerly included responsibility for band plans. However, this provision was removed and the Membership Services Committee has been reluctant to address this issue. Mr. Heyn first attempted to reinstate the original wording but this effort failed. Hence the motion to require the Membership Services Committee, "to study the issue of compliance with band plans, including potential revisions to Part 97, and to report back to the Board on or before the 1997 Annual Meeting".

It is Mr. Heyn's hope that a possible revision to Part 97 would include wording that band plans are to be respected. It is his hope that this would permit the FCC to take some action in extreme cases. He noted that at present the FCC cannot take any corrective action under Part 97. He acknowledged that it is difficult to move the FCC to action, and I commented to him that there are conflicts in published band plans. For example, the use of 7.040 MHz as a QRP calling frequency and also as an international digital calling frequency. I also noted that the problem on 14.060 MHz is often an

international source of interference. Mr. Heyn felt that the International Amateur Radio Union, IARU, could be helpful in resolving such problem areas.

Mr. Heyn did not know who the current members of the Membership Services committee were, but did think that it was currently chaired by the Rocky Mountain Division ARRL Director, Marshall Quiat, AG0X, 1580 Lincoln St., Suite 440, Denver, CO 80203. Telephone: (303) 830-6666. E-mail: AG0X@ARRL.ORG. Communications with the Membership Services Committee at this time is encouraged in order that they will adequately address the issue.

A phone call to the ARRL today confirmed that AG0X is the Committee Chairmain. Members of the Membership Services Committee, according to a lady in David Sumner's office are:

Marshall Quiat, AG0X, Chair	ag0x@arrl.org
Rick Roderick, K5UR	k5ur@arrl.org
Lew Gordon, K4VX	k4vx@arrl.org
Brad Wyatt, K6WR	k6wr@arrl.org
Jim Haynie, WB5JBP	wb5jbp@arrl.org
Warren Rothberg, WB1HBB	wb1hbb@arrl.org
Joel Harrison, WB5IGF	wb5igf@arrl.org

I'm just trying to be a messenger of some information. If you wish to comment to your ARRL Director you can e-mail to him/her using their callsign followed by "@ARRL.ORG". Director and Vice Director addresses and telephone numbers appear on page 10 of QST. Consider it an opportunity to demonstrate real "QRP power" to your elected official, hi.

73, Harvey, N6MM.

Reference to page 66 September, 1996, QST:

47. On motion of Mr. Heyn, seconded by Mr. Comnstock, it was VOTED that the following resolution is ADOPTED:

WHEREAS, the efficient and orderly utilization of the Amateur Radio frequency bands depends upon voluntary compliance with band plans, and

WHEREAS, adherence to these band plans is eroding, particularly in heavily populated areas, resulting in interference and disputes; NOW, THEREFORE,

BE IT RESOLVED, that the Membership Services Committee is tasked to study the issue of compliance with band plans, including potential

revisions to Part 97, and to report back to the Board on or before the 1997 Annual Meeting.

From owner-qrp-1@Lehigh.EDU Tue Sep 3 23:12:46 1996
From: GREGOIRE@ENDOR.COM (ERNEST GREGOIRE)
Subject: [3548] Re: BOW AND ARROW ANTENNA LAUNCHING
Message-ID: <199609040013.UAA164672@nss2.CC.Lehigh.EDU>

>Hello Brad,

I have been shooting a bow for 40 years and I am very familiar with the FLU FLU. It does have a limited range, but for this application is unsuitable for antenna launching.

I use a fishing arrow, made of solid fiber glass. It weighs over 800 grains but I can't tell you just how much because my scale doesn't go that high. This arrow has some what limited range too but will go a long way. At least a hundred yards if shot at a 45 deg. angle with no string attached. It has enough weight to pull the string to the ground, and not get hung up in the branches.

This is a timely note because the method that I have been using and have had a lot of success with is can't be used anymore. I use a "Game Tracker", string tied to the arrow. You bow hunters out there will know exactly what I mean. The string is payed out from a center of a tightly wound bob. This bob of string is held in a small cylinder mounted on the face of the bow just below the handle.

When the shot is made, the 40 lbs. woven string is pulled out of the cylinder at the velocity of the arrow, very fast from a 70 lbs. compound bow. As the arrow clears the apex I grab the string to slow it down and the arrow falls back to earth. The shooting line is cut off the arrow and retied to a stronger cord and pulled back over the tree top. Now I have a 150 lbs. cord to do my bidding and can really yank it around.

The shooting string is no longer being carried by Cabelas, and I can't find it anywhere locally either. No great loss. This system can be a "Royal Pain in the Neck", especially in any wind at all. I'm also always worried about the shooting string breaking off, which has happend on occasion.

A guy in our local club has success with a spining reel and ice fishing line. Yes, I have tried monofilament, and it kinks and stretches, and breaks. I will be buying a surf fishing spining reel, for it's large string capacity, and some florescent lime flyfishing line backing. The spining reel can be bow mounted also with an adapter for bow fishing. The line is highly visible

and is pretty strong too.(30 lb. test), and comes on a 200 yd. spool. It hangs straight, and has no memory like mono. The backing is braided and should be ok in the thick branches due to the weight of the fishing arrow.

I'll let you all know how I make out. It seems to me that eliminating the game tracker sting is an improvement to the system.

Yes, I do wear leather gloves when I grab the line to slow it down. Also a special note of caution here on removing watches, and anything that dangles, that the string can get hung up on. If this happens the arrow can come screaming back at you from 6 feet out and has no conscience. Be aware of buttons on sleeves,pockets,etc.

So just yell, "Fire in the Hole", when you let it fly and "Pass a good time".

Just a little black powder cannon and Cajun lingo there.

73 de
AA1IK
Ernie

From owner-qrp-1@Lehigh.EDU Tue Sep 3 23:12:46 1996
From: Dale LeDoux <dledoux@laci.net>
Subject: [3549] Re: BOW AND ARROW ANTENNA LAUNCHING
Message-ID: <199609031411.JAA19735@lac1.laci.net>

At 20:13 9/3/96 -0400, you wrote:

>
>The shooting string is no longer being carried by Cabelas, and I can't find
>it anywhere locally either.

>73 de
>AA1IK
>Ernie

>
>
>
>

You can get the same string from your local electrical contractor supply house. The bobbin unit is called a 'mouse' and is blown thru a conduit with compressed air, the used to pull a heavier line which is in turn used to pull in the rope which is finally used to pull in the wire or cable. The difference between Cabela's version and the one you get from the electrical supply is that the electrical one will have a sponge washer on it to fit the

conduit. This is easily removed. Works the same as the Cabelas one. If you know a freindly electrical contractor, you might be able to bum a few remnants off him for nothing (try offering a beverage) as they are never used completely up.

Just another note from the power industry

Dale LeDoux KD5QI
Bath Electrical Systems
480 volts to 230 KV
Sulphur, LA

From owner-qrp-l@Lehigh.EDU Tue Sep 3 23:12:46 1996
From: rhight@PRIMENET.COM (Roger Hightower)
Subject: [3553] Re: BOW AND ARROW ANTENNA LAUNCHING
Message-ID: <199609040129.SAA22409@primenet.com>

At 08:13 PM 9/3/96 -0400, ERNEST GREGOIRE wrote:

> (snip)

>A guy in our local club has success with a spining reel and ice fishing line.
>Yes, I have tried monofilament, and it kinks and stretches, and breaks.
>I will be buying a surf fishing spining reel, for it's large string capacity,
>and some florescent lime flyfishing line backing. The spining reel can be
>bow mounted also with and adapter for bow fishing. The line is highly visible
>and is pretty strong too.(30 lb. test), and comes on a 200 yd. spool. It
>hangs straight, and has no memory like mono. The backing is braided and
>should be ok in the thick branches due to the weight of the fishing arrow.
> (snip again)

I use a Fenwick LunkerStick rod, Mitchell 300 reel, 17 lb test mono and a 1/2 to 3/4 oz weight. Works every time. Just pick out your "end" trees and cast toward the center. Attach the nylon antenna line to the monofilament (sans sinker) and reel it in. A dipole will go up in less than 5 minutes this way.

72/73 de Roger AA7QY

NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-l@Lehigh.EDU Tue Sep 3 23:12:46 1996

From: Bob Hirsch <bobh@p3.net>
Subject: [3556] Re: BOW AND ARROW ANTENNA LAUNCHING
Message-ID: <1.5.4.32.19960904021055.0068ed90@p3.net>

At 20:13 9.3.96 -0400, you wrote:

>>Hello Brad,
>

>This is a timely note because the method that I have been using and have had
>a lot of success with is can't be used anymore. I use a "Game Tracker",
>string tied to the arrow. You bow hunters out there will know exactly what I
>mean. The string is payed out from a center of a tightly wound bob. This bob
>of string is held in a small cylinder mounted on the face of the bow just
>below the handle.
>

I too, use a "Game Tracker", in a slightly different way. I tape the Game Tracker canister to the side of a large bucket which I keep my supplies in and use a sling shot with the Game Tracker string tied to a #1 fishing weight. Then I pull some 90 bl test over and then the support rope for the antenna.

Been working pretty good. My horizontal loop is between 50-60 feet in the air.

73 de Bob, AA3ON

No Code, No HF....Know Code, Know HF!

From owner-qrp-1@Lehigh.EDU Tue Sep 3 23:12:46 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [3502] Re: data book peculiarities
Message-ID: <199609030200.CAA24003@chuck.dallas.sgi.com>

But you guys missed the point.

1. You'll notice the important stuff like the Tek 475 scope did not move!!
2. The 100 ft of coax went to the lower right input which is probably a trigger input.

And the most important thing of all. Which was the before and which was the after? Nice work bench though.

: -)

dit dit

Chuck Adams (K5FO CP-60) adams@sgi.com

From owner-qrp-1@Lehigh.EDU Tue Sep 3 23:12:46 1996

Subject: hola'

Hey dude,

Please post to the QRP Reflector that the reason I (W5NN) was running QRO (my report was 559 TX 1KW) was not to make fun of the MI QRP Contest but to keep the Digi Lids off the guys! The digi crap was moving in right on 14.060 so I ran 500 wts and CQ'ed on 14.062-63 and worked the QRP'ers until 20 closed. It worked, every time a digi got near I CQ'ed until he moved and it didn't take very long!! See everyone QRP next time. I might do this more often if it will keep things clear below for the real QRP'ers!

73 Mike.. KB5YVT aka. W5NN

From owner-qrp-1@Lehigh.EDU Tue Sep 3 23:12:46 1996

From: adams@chuck.dallas.sgi.com (chuck adams)

Subject: [3562] Re: HW-8 alignment

Message-ID: <199609040402.EAA27650@chuck.dallas.sgi.com>

Mike,

You should have any problem having someone drop you the standard red plastic and white plastic alignment tools. I have some that I still use. :-)

I bring this up as I am looking for a non-conducting non-magnetic 4 to 6 inch tuning wand for adjusting those numerous variable caps like NN1G, WE8KL, and others are using in their kits. :-)

I'd like one that is all plastic and stiff, not one that is plastic and then has the metal blade in the end. The things scare me. I have scared myself when I have inadvertantly placed them close to two or more wires or leads and come close to released that infamous spark critter that lies lurking in

wires that have electrons flowing through them.

This group knows what I'm talking about. It's like using the smallest screwdriver you have and then dropping it in the middle of the rig while it is powered on. This outta make some guys jump reading that line. :-) Been there done that. But at least it's not like the old days when you had more than 250VDC floating around inside the chassis. ;-)

dit dit

Chuck Adams (K5FO CP-60) adams@sgi.com

From owner-qrp-l@Lehigh.EDU Tue Sep 3 23:12:46 1996
From: "David P. Drake" <dpd@dtpx2.ncifcrf.gov>
Subject: [3542] Re: MI QRP Contest - Major Fun
Message-ID: <19960903154357dpd@dtpsys.ncifcrf.gov>

|I'm sure there were others but these are all I worked till the band went
|west. BTW what is that HPM stuff where ops use /127 suffix? I don't keep
| up
|with contests but have been hearing these for several days in and around
|"our" 7.040.

|
|72, Roy KE4KDT Norcal ARCI KL QRP-L
| Prestonsburg, KY
|
|
|

It's the 127th birthday celebration of of the Old man himself. Operators having an official ARRL appointment may sign /127. One can collect the QSLs and apply for some wall paper of some sort from the ARRL. The details were in one of the QST issues several months back.

73 de n3lsb Dave.
QRP-l # 317
dpd@dtpx2.ncifcrf.gov

And in the end, It's not
the years in your life that
count. It's the life in your
years. - Abraham Lincoln

From owner-qrp-l@Lehigh.EDU Tue Sep 3 23:12:46 1996
From: Nino Porcino <m.caruso@netline.totobit.it>
Subject: Newbie questions

Hello,

I am a new biker and soon I'll get my ham-license. Since I'm a newbie I wish to know what is the "standard" equipment for an ham biker (HF or VHF?, QRP or QRO?, CW or PHONE?, and so on) and if there are particular things to know about. Can you help me?

Thanks,

-- Nino

From owner-qrp-1@Lehigh.EDU Tue Sep 3 23:12:46 1996
From: Philip Karras <ke3fl@access.digex.net>
Subject: [3522] RE: NVIS antenna tests?
Message-ID: <Pine.SUN.3.94.960903121851.16173A-1000000@access4.digex.net>

Jim, W7LS:

I have used two types, one is the standard 80 meter dipole at anywhere from 20 to 30 feet high. This works very well and I often run only 4 watts on SSB and CW to get into the MEPN (Maryland Emergency Phone Net- I am alt net control on Tuesday evenings, 6 PM eastern) and the MDD (CW Maryland, DC, Delaware net)

The second antenna was a random wire about 100 feet long string from the rig to a pole 20 feet tall. The wire was bent since I did not have 100 ft of straight run. It was looped through a metal fence at about eight feet off the ground. I was using 100 watts that time for communications into the MEPN during SET'94. By the way, this was considerably weaker than the dipole.

My 80m dipole for SET'96 is ready to test with PVC supports for 20' center and about 10' ends. I wanted to test it last year but being the EC I had to play at the EOC & didn't get a chance. I hope to test it this year.

72 & 73 de KE3FL/Phil
:-)

P.S. With the dipole at 25 - 30 ft I find sometimes I actually have to use 20 watts to get out as net control. :)

From owner-qrp-1@Lehigh.EDU Tue Sep 3 23:12:46 1996
From: DYARNES@aol.com
Subject: [3514] Re: OHR 100
Message-ID: <960903102324_514963422@emout10.mail.aol.com>

In a message dated 96-08-30 17:30:04 EDT, lee@radioadv.com (Lee Richey) writes:

<< I haven't had it on the air yet as I just finished it today.
I will do a burn-in for a day or two and on the air it goes. >>

Lee, you must have the patience of Job! I have trouble waiting long enough to put the cover on before I fire up a new rig! Your regimin reminds me that, in many ways, I am not my father's son. Dad would ALWAYS drive a brand new car at 35 m.p.h. or less for the first 1,000 miles and at 50 m.p.h. for the second 1,000 miles. Guess how long I drive a new car at those limits!

Good luck with your new OHR 100. I'm anxious to hear how you like it.

72 de David W7AQK

From owner-qrp-1@Lehigh.EDU Tue Sep 3 23:12:46 1996
From: JEVERHART@cayman.vf.mmc.com
Subject: [3510] Re: Portable Antennas
Message-ID: <960903081127.202194ff@carib.vf.mmc.com>

Chuck,

The antenna you describe is similar to ones I've come up with - the PVC Gushers. Patterned after the BIC Flamethrower from Fred Turpin, they use PVC pipe parts. The original, the PVC Gusher Classic should be described in an upcoming SPRAT. Its predecessor, the PVC Gusher-II will be featured in an article in the upcoming 72 from NEQRP. Alas printed literature trails the electronic version.

A word or two about feedlines - a) I don't like putting a connector on the center insulator and hanging feedlines from it. Tends to pull the feedline apart at the connector. b) The Gushers use lightweight feedline like RG-122 or RG-174. They put less strain on the antenna and are much more amenable to portable operation.

I wrote to the group here several weeks ago announcing availability of the

Gusher-II in an e-mail entitled "One-pound dipole". They include everything you need with a preassembled center insulator (potted insulator, 30 feet of RG-122 and BNC connector), 100 feet of wire, a bunch of insulators and other hardware to make a single-or multi-band antenna. Oh yeah, a 13 page illustrated manual, too. Just cut the wires to length and you are on the air 15 minutes from opening the package. \$20.00 PPD for the antenna (USA)

More info? Send request to n2cx@voicenet.com

72/73,

Joe E., N2CX

work: jeverhart@cayman.vf.mmc.com

home: n2cxvoicenet.com

From owner-qrp-1@Lehigh.EDU Tue Sep 3 23:12:46 1996

From: jim seeber <kw3u@warwick.net>

Subject: [3550] Re: QRP Contest - 40-9er +

Message-ID: <322CFCC6.5903@warwick.net>

BOB KELLOGG wrote:

>

> Hi Gang,

>

> Your advice solicited. Yes, there will be a 40-9er contest this fall.

> Scoring will try to balance the 40-9ers capabilities with other QRP rigs, so

> everyone can participate and have a good time.

>

> We are going to coordinate the timing of this contest with the Fox hunts, so

> there will be no interference.

>

> Valuable prizes are being donated by Chuck Adams and Doug Hendricks for

> NorCal.

> Just to try something a little different, part of the exchange will be a two

> letter rig code, something like the following:

> Rig Codes:

> 40-9er =49

> A & A =AA

> Green Mtn =GM

> Home Brew =HB

> Heath HW-7 =H7

> Heath HW-8 =H8

> Heath HW-9 =H9

> Icom =IC

> Index Labs QRP+ =IL

> Kenwood =KW
 > MFJ =MF
 > NorCal 40 =NC
 > NorthEast =NE
 > NorthWest =NW
 > Oak Hills Expl. =OE
 > Oak Hills 400 =O4
 > Oak Hills 100 =O1
 > Sierra =SA
 > Small Wonder =SW
 > Ten Tec =TT
 > Wilderness Radio=WR
 > Yaesu =YS
 >
 > What we tried to do here is specify the QRP kit rigs and just name the
 > Commercial rigs These list is merely out first pass, so suggestions are
 > appreciated. If the rig you would like to use is not included tell me and
 > suggest an unused code.
 >
 > Finally, and the big question - how should prizes be awarded?
 >
 > A. Most 40-9er contacts? (using any rig except 40-9er)
 > B. Most contacts using a 40-9er?
 > c. Most points (using a weighting system - 40-9er to 40-9er, 40-9er to QRP,
 > QRP to QRP, QRP to QRO each receiving a different weight)
 >
 > This will be our contest, because the only publicity will be through the
 > QRP-L. So, let me know what would be fun for you. We don't want to limit
 > the contest to just QRP-L members, however, because there have been over
 > 1000 40-9er kits distributed. If your club made them as a project, be sure
 > to publicize the contest. Dates will be determined shortly. The frequency
 > will be 7.040 +/-!
 >
 > CUL,
 > Bob Kellogg, AE4IC
 > Prolably, but not nececelery. - Benny Hill

well i have the 40 meter sprint from OHR which serves me well.
 also I forgot to check if u included the ramsey xmtrs, Have a
 40 with lotsa xtals and also a xmtr board from an outfit called
 ryan i built up with xtals. anyway, see u in the test.
 72/73 Jim

From owner-qrp-l@Lehigh.EDU Tue Sep 3 23:12:46 1996
 From: Grover Cleveland <groverc@gvgadg.gvg.tek.com>

Subject: [3543] Re: Real QRP Logging and Keying
Message-ID: <322C8051.4582@gvgadg.gvg.tek.com>

Cheap Psions:

Here's how you do it: physically go to a Staples Office Supply store. DON'T talk to just any sales person - they don't have a clue! You must talk to the operations manager and ask him/her to check the computer listing for stock number 485110. This should bring up a list of stores that have them. Then ask for an interstore transfer. Prepay.

There are at least a dozen Psions on the Left Coast and I have five of them on the way to my local store using this method. There are several more in the rest of the country.

Problem with this: these Psions will probably not have the rebate coupon so you will have to find a coupon somewhere else (or see the next paragraph). These are still valid purchases for the rebate however.

To get the rebate call Psion and ask. You will have to send the warranty card and the original receipt (you can get the receipt back) to Psion Inc. You'll get the \$75 rebate, a case for your Psion, and \$300 of "Psion Bucks" whatever they are.

--

```
+++++
+ P. Grover Cleveland WT6P                      916-478-3153 +
+ Sr. Training Engineer                        cleveland@usa.net +
+ Tektronix/Grass Valley                      grover.cleveland@tek.com +
+ "Sorry, Windows 95 made me this way" +
+ http://ourworld.compuserve.com/homepages/gcleveland +
+++++
  "Any ideas or opinions expressed here do not necessarily
    reflect the ideas or opinions of my employer."
-----
```

From owner-qrp-l@Lehigh.EDU Tue Sep 3 23:12:46 1996
From: "Bill C." <wrc@tir.com>
Subject: [3511] Re: Signetics
Message-ID: <322C5597.654@tir.com>

Stephen and All,

Signetics is now part of Philips. Try:

<http://www.semiconductors.philips.com/ps/>

73,

Bill KU8H

From owner-qrp-1@Lehigh.EDU Tue Sep 3 23:12:46 1996
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
Subject: [3537] Re: Signetics
Message-ID: <199609031915.0AA05829@multi2.pic.net>

WB6TNL asked:

> From: Stephen M Smith <sigcom@juno.com>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Subject: Signetics
> Date: Monday, September 02, 1996 10:43 PM
>
> Does anyone know if Signetics is: (1) Still in business (2) On the 'net
> and (3) Where I can get Signetics data sheets/app notes? Yes I tried
> Yahoo, etc.
>
> Thanks es 73.....Steve, WB6TNL QRP-L #621

Signetics was purchased by Phillips Semiconductors a few years back. Their web page is www.semiconductors.phillips.com.

Mike K1MG

From owner-qrp-1@Lehigh.EDU Tue Sep 3 23:12:46 1996
From: "Dana H. Myers" <myers@bigboy.West.Sun.COM>
Subject: [3523] Re: Solder Warning 63/37
Message-ID: <Roam.3.0.841767752.30228.myers@bigboy>

Chuck Adams wrote:

> Gang,
>
> Over the past years I have been atesting to the use
> of Kester Solder Alloy Sn63 Core 66 Flux 331 and
> have been using 0.031" diameter stuff. This because
> the flux is water soluable and I use an old toothbrush

> with warm water to clean the BOTTOM of the boards.

Uh-oh - the nasty water-soluable flux. This stuff is much nastier to breath the fumes of than good old rosin core.

> The boards come out looking all shiney and pretty and
> just plain goooooood if I do say so myself.

You can get the same effect with rosin core with an ultrasonic cleaner and alcohol/freon - but not all components can tolerate immersion in invasive cleaners. In particular, switches and potentiometers can be destroyed easily.

> But now I have found a side effect that you must know about.

If you ask Kester, they'll warn you about this ;-).

> 1. Do not leave a project unattended for more than a week or
> so. If you do, the flux reacts with the solder and makes it
> somewhat non-shiney. So if you are about to go on a trip or
> whatever, go ahead and clean the board. You might wanna do
> this just before you quit for the day.
>
> It seems that the flux starts to react with the Sn or Pb in
> the solder fairly quickly.

Back when I was a kid and worked in a shop assembling PC boards, we only used the water-soluable flux when doing "add-ons", which is adding components to PCBs that couldn't be wave-soldered or washed in the ultrasonic cleaner+freon. It was stressed to us the importance of removing the flux residue ASAP after soldering, since the flux is apparently an acid based flux and attacks the PCB quite readily.

I wouldn't build a whole project with this flux, by the way. It is just too nasty.

Dana KK6JQ
Dana@Source.Net

From owner-qrp-1@Lehigh.EDU Tue Sep 3 23:12:46 1996
From: Jim Eshleman <lujce@hooch.CC.Lehigh.EDU>
Subject: [3546] Re: survey...who am I?
Message-ID: <96Sep3.170245-0400edt.65737-18193+252@hooch.CC.Lehigh.EDU>

> Didn't really think I would ever need my qrp-l #, but if I want to answer
> the last survey, guess I will need it after all. Will someone tell me
> who I am....or how to find out?

Mark,

You're # 625. The complete list is available at:

`ftp://ftp.lehigh.edu/pub/listserv/qrp-l/misc/member_numbers.txt`

or via the list server by sending the following command, in the body
of an e-mail, to `listserv@Lehigh.EDU`:

`GET QRP-L/MISC MEMBER_NUMBERS.TXT`

73

Jim N3VXI

From owner-qrp-l@Lehigh.EDU Tue Sep 3 23:12:46 1996

From: Jim Eshleman <lujce@hooch.CC.Lehigh.EDU>

Subject: [3558] Re: survey...who am I?

Message-ID: <96Sep3.231034-0400edt.65735-14099+263@hooch.CC.Lehigh.EDU>

> Hey!! I feel cheated!! I can't find myself on the members list, but
> I get the list mail!!

Dana,

You don't get assigned a number when you subscribe (yet - sorry Chuck)
but it's easy enough to obtain one. Send the following command, in the
body of an e-mail, to `listserv@Lehigh.EDU`:

`RUN QRP-L X GETNR callsign`

where "callsign" is your callsign, or NONE if you don't have one. If
you forget your number, you can send the command anyway, and the server
will refuse to issue a new one (I hope :-)) but will tell you the number
you currently hold.

If you "buy" a new call or upgrade or your e-mail address changes
just drop me a note and I'll update the database.

73

Jim N3VXI

From owner-qrp-1@Lehigh.EDU Tue Sep 3 23:12:46 1996
From: "Harvey D. D. Hetland" <HDHETLAND@paccd.cc.ca.us>
Subject: [3524] Re: TMPS FINAL TALLEY
Message-ID: <62AB761830@manage.paccd.cc.ca.us>

Congratulations to Craig, AA3MD, on DXCC 48 for the 1996 TMPS! No, I don't think I "drained" the band, hi. I did try a slopper on Asia for the last two days of the TMPS in an attempt to get 3W, 9M2, BV and others that had been on and eluded me during the summer. I missed my opportunity on the HK and EM1 that showed, but I would agree that DX conditions did drop during the last week. Looking forward to the foxhunt season. For September I am going to be in the kit and homebrew building modes.

73, Harvey, N6MM

TMPS 96: QSOs=268, WAS=50, DXCC=044 OHR 400 assorted wire antennas.

DXCC: C2 JW KH6 JA KL7 A3 W 5W VE PJ2 T30 VK9N ZL FK8 OH OA VK FG LU
C6A XE LA ZF 5N CO CY0 PY V7 HC V6 T32 KC6 P4 TI ZK1(so) UA0
KH8 ZP OZ ZK2 CE HI HK0 KH4